

# ***RF Energy Dispersal in Systems Consisting of Aggregated Computing Elements As Subsystems***

## **Abstract of Disclosure**

A cluster of processing systems is provided wherein each processing system is set to operate at a unique operating frequency. Each unique frequency is set to differ from each other by at least a predetermined frequency differential or bandwidth. When clustered, the radiated emissions will not add. Rather, the RF energy is distributed over the predetermined frequency bandwidth and in so doing achieve a reduction of measured RF energy at any singular frequency. By using RF energy dispersal in systems consisting of aggregated processing elements as subsystems, the need for special or additional RF shielding is precluded. Current design and manufacturing techniques can continue to be used. Thus, reducing the overall cost of implementing aggregated systems.

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